# MISSION TRAINING & PREPARATION SYSTEMs (MTPS)

(SOF Training Systems)

*From Monitorship to Leadership*

**Colonel Steve Howard, USAF**
**United States Special Operations Command**
**SOKF-J7-T**

# Are We On Data Overload?

We must find better ways to filter, store, manage and make use of the massive amounts of geospatial data streaming in from a myriad of sources.

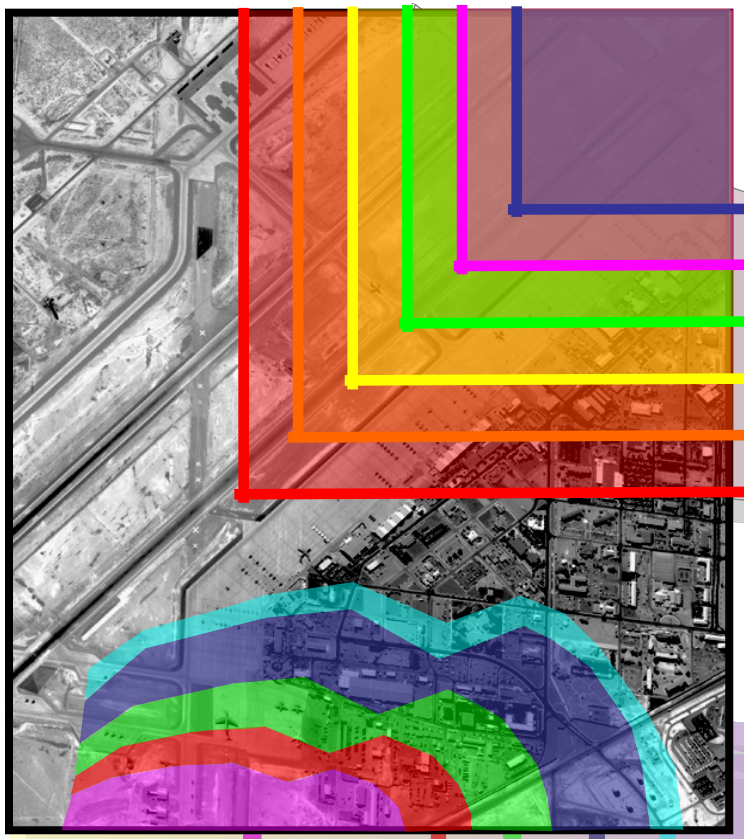
# Joint Challenge

- **No Enterprise Solution for *Management*, *Exploitation*, and *Dissemination* of geospatial data**
  - **<u>Management</u> - Lack of space to store and manage the exponential growth of data**
  - **<u>Exploitation</u> - Size of derivative data products are much larger than source data**
  - **<u>Dissemination</u> - No rapid secure reliable delivery of geospatial data**
- **Lack of Ability to Rapidly Build Geospatial Data Prior to Deployment**
  - **Shortfall in awareness of source data and assets to build data**
- **Lack of geospatial data interoperability between Component Commanders (COCOM), Modeling & Simulation, Joint Command and Control (JC2) and Intelligence, Surveillance, Reconnaissance (ISR) systems**
  - **Inconsistent data formats and standardization**

# Joint Impact

- **Redundant Geospatial processing operations across DoD**
  - **Duplicate costs fixing the same problems for the same data**
- **Limited interoperability within DoD mission training, planning, preview, and rehearsal systems**
- **No common verification, validation, and accreditation of geospatial data**
  - **Functionally restricts modeling and simulation, joint exercises, coalition partners, and operational mission planning**

# Why Do We Keep Building the Same Data for the Same Locations?



Real World Ops

Simulation

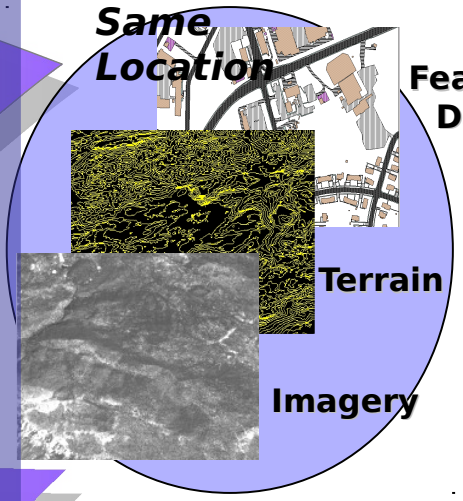
Training Events

Title 10 Exercises

Joint Experimentation

Homeland Defense

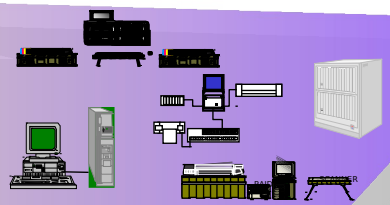
***Different Events Same Data Same Location***



Feature Data

Terrain

Imagery



**Limited Hardware Compatibility**

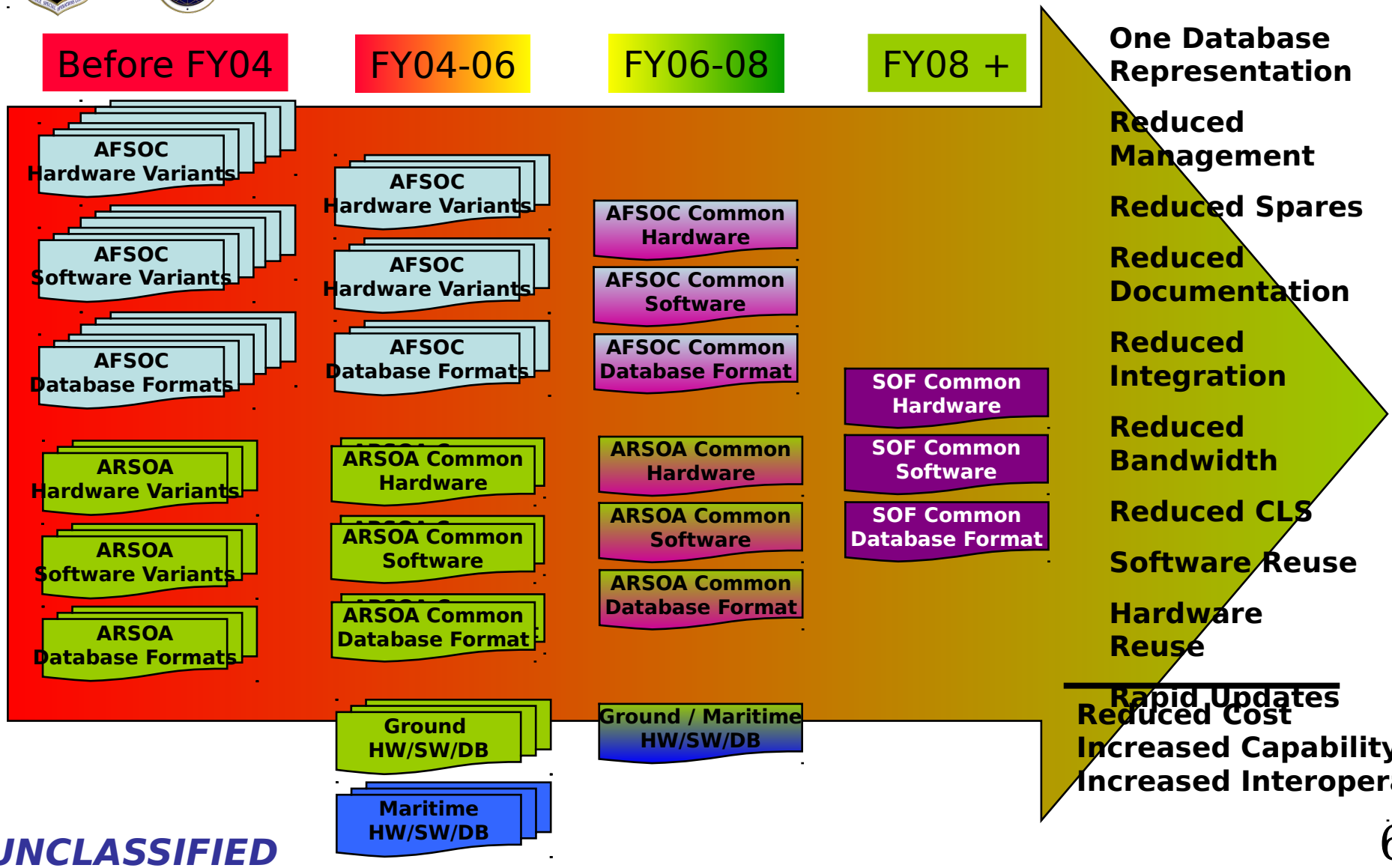
**Limited Software Compatibility**

**Similar but Different Processes**

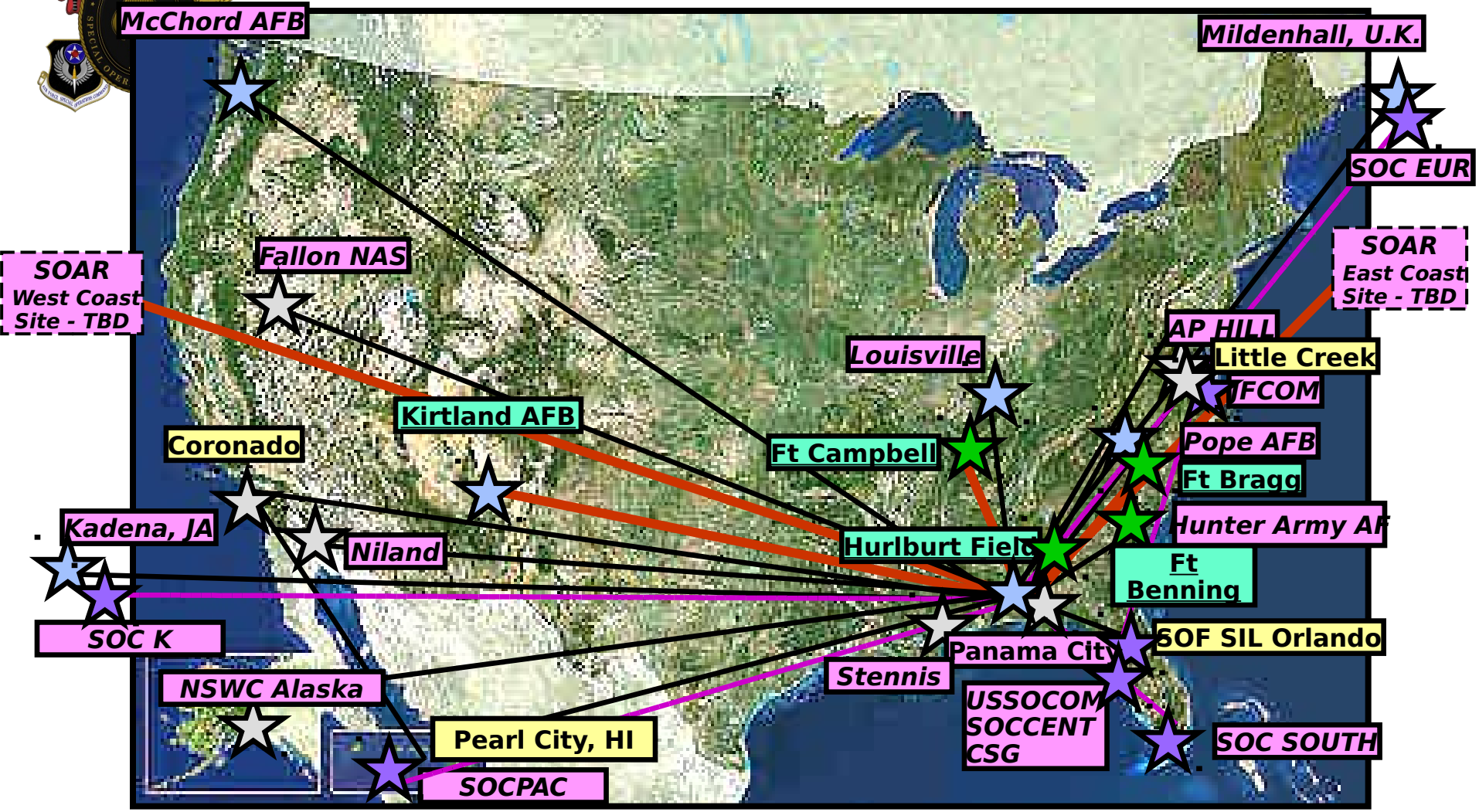
**No Interoperability Standards**

***Different Services/Agencies Same Data Same Location***

# Where We're Going



# MTPS CONNECTIVITY




| COLOR KEY | Existing Connections In-Place and Operational | SOF SIL T-1: Nov 03<br>Cloud T-1: 2004/2005 | *Potential Connections For the Future* |
|---|---|---|---|

AFSOC NSWC USASOC USSOCOM

Point-To-Point T1
Point-To-Point DS3
Cloud/Mesh T-1
DREN/SIPRANET

# Questions?